

## CERES Systems Engineering Committee

Members: Maria Mitchum, NASA, DMO

Sandy Nolan, SAIC

Jill Travers, DAAC

Sue Sorlie, DAAC

Charter: Serve as a forum for resolving issues which affect more than one working group. Report to CERES Data Management Team

### March 30, 1999 1:00pm

The Systems Engineering Committee members met with Vertley Hopson, Fred Byrd, Nichele McKoy, Alice Fan, Lee-hwa Chang, Ed Kizer, and John Robbins. There were several processing issues that were unclear that were discussed. To summarize, listed below is the outcome of the discussion:

- **The epilog script must be enhanced** when a failed PGE is encountered. The following actions have been requested:
  1. Send email to responsible Developer.
  2. Package 'all' output files and move them to an appropriate location on /darrin-QA in an associated PGE area. Although the actual directory name has yet to be determined, the directory structure will probably look like /QA/CERES/subsystem/ERROR/...
  3. Clean up all directories.
  4. Notify DAAC Operations of 'Failed' PGE and termination of 'Target PGE(s)' until further notice from the Developer. (This notice does not affect the continuation of the current PGE with new instances.)

Alice Fan asked the DAAC folks if they knew why a file on the production machine, from the SCF, could not be 'opened'. Fred Byrd assisted Alice and Joe Stassi after the meeting and determined that the toolkit cannot see a file across a 'mount'. It was also discovered that same file could be opened in a 'vanilla' Fortran program. This problem has been sent to the TK staff.

Sandy reported that most of the SCF servers have upgraded to the F95 and/or NAG95 compilers. She has found a problem with the NAG95, which has been reported to NAG.

Jill reported that all PGEs must be ready to upgrade to TK5.2.4v1. This version of the TK is necessary for Instrument 'Terra' processing of the ephemeris files. The DAAC upgrade will not be made until after the Science Team Meeting. For the Spacecraft ETE test, scheduled for April 24, 1999, the DAAC will perform all tests in a dedicated processing area, not to interfere with production.

Another note of interest is that **some of the toolkit path names will change in the new TK5.2.4v1**. When using TOOLKIT, TK5.2.4v1, subsystem ASCII file generator's may need to be updated to use the TOOLKIT support file path names listed in the B0 PCF Template. In earlier versions of the TOOLKIT, links between the old and new path names were used. With version

TK5.2.4v1, in at least one case, the TOOLKIT could not open a support file (earthfigure.dat) using the linked path name and the actual path needed to be present in thePCF.

Maria made a commitment to discuss 'file types' (other than time related files) and 'appended files' with Fred Byrd. These two items seem to be causing the epilog heartburn.

Meeting adjourned 2:45 mvm